

## CLAIMS

What is claimed is:

5           63.    A recording and playback system comprising:  
            an audio capturing device configured to receive an analog input;  
            an encoder coupled to said audio capturing device and configured to  
            generate a digital signal based on said analog input; and  
            a recognition engine coupled to said audio capturing device and  
10     configured to generate text data based on said analog input, wherein said  
            encoder and said recognition engine simultaneously generate said digital signal  
            and said text data such that said digital signal and said text data can be provided  
            in a synchronized manner.

15           64.    The system as recited in Claim 63 further comprising a first switch  
            coupled between said encoder and a memory sub-system and also between said  
            recognition engine and said memory sub-system, said first switch configured to  
            couple one of said encoder and said recognition engine to said memory sub-  
            system and to simultaneously decouple the other one of said encoder and said  
20     recognition engine from said memory sub-system.

            65.    The system as recited in Claim 64 further comprising:  
            a decoder selectively coupled to said memory sub-system and configured  
            to decode said digital signal into decoded audio data;  
25           a digital-to-analog (D/A) converter coupled to said decoder and configured  
            to convert said decoded audio data into an analog signal; and